STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

This form is not to be used for reporting packer leakage fests in Northwest New Mexico

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Under GalFlowConstraint ofConstraint of $\frac{1}{2}$ digPENNGASFLOWCSG18/64 $\frac{1}{2}$ digMONTOYAGASFLOWTBG16/64FLOW TEST NO. 1Both zones shut-in at (hour, date):8:00 AM1-3-90Not III of the sone producingXOperation of testID: 30 AM1-4-90Operation of testNot III of the sone producingXPressure at beginning of test1340525TestTest of the sone producingXPressure at beginning of test1340525TestTest of the sone producing test1340525TestTest of the sone producing test1340525Test of testTest of testTest of testTest of testTest of testTest of testTotal Time On ProductionState of the sone producingTotal Time On State of testTest of testTotal Time On ProductionState of the sone producingTest of test of testTest of test of test <th>MARSHALL PIPE & SUPPLY</th> <th>Loase</th> <th>SPEIGHT</th> <th></th> <th>Well No.</th>	MARSHALL PIPE & SUPPLY	Loase	SPEIGHT		Well No.
Line of Reservoir on Pool Other Gas FLOW, ART UFF The or Gas Choice Stage Upper Compl. Jack PENN GAS FLOW CSG 18/64 Line of Most State GAS FLOW TBG 16/64 FLOW TEST NO. 1 FLOW TEST NO. 1 FLOW TEST NO. 1 State State 16/64 Full opened at (hour, date): 10:30 AM 1-3-90 Upper Completion Lower Completion Completion Completion Vell opened at (hour, date): 10:30 AM 1-4-90 VES VES VES VES Vell opened at (hour, date): 10:30 AM 1-4-90 YES VES VES VES tassure at beginning of test 1340 525 YES YES YES tasimum pressure during test 1340 525 525 525 timinum pressure during test 875 525 525 tessure at conclusion of test 875 525 525 tessure change during test (Maximum minus Minimum) 465 NONE 465 Tessure change an increase or a decrease? DECREASE NONE "el closed at (hour, date):	LOCATION 21 T 22	^{Twp.} 2 SOUTH	. ^{Rge.} 29 EA	ST 🗠	-
Compl. $f_{LL}(L_c = PENN$ CASFLOWCSC10764IDWGASFLOWTBG16/64FLOW TEST NO. 1South zones shut-in at (bour, date):	NAME OF RESERVOIR OR POOL				
FLOW TEST NO. 1South zones shut-in at (bour, date): $8:00 \text{ AM} \ 1-3-90$ Upper CompletionUpper CompletionNell opened at (bour, date): $10:30 \text{ AM} \ 1-4-90$ Opened at (bour, date): $10:30 \text{ AM} \ 1-4-90$ Opened at (bour, date): $10:30 \text{ AM} \ 1-4-90$ Opened at (bour, date): $10:30 \text{ AM} \ 1-4-90$ VisionOpened at (bour, date):Opened at (bour, date):Antimum pressure at beginning of test1340525Taximum pressure during test1340525faximum pressure during testAntimum pressure during testTessure at conclusion of testTessure change during test (Maximum minus Minimum)Colspan="2">Gene Metase or a decrease?DecreaseNONETotal Time On Production34 HOURSTotal Time On Production34 HOURS	Compl. Jule PENN	GAS	FLOW	CSG	18/64
Both zones shut-in at (bour, date): 8:00 AM 1-3-90 Well opened at (bour, date): 10:30 AM 1-4-90 Upper Completion Indicate by (X) the zone producing X tressure at beginning of test 1340 525 tressure at beginning of test 1340 525 tabilized? (Yes or No) YES YES taximum pressure during test 1340 525 tinimum pressure during test 875 525 tressure at conclusion of test 875 525 tressure change during test (Maximum minus Minimum) 465 NONE ,- Tax pressure change an increase or a decrease? DECREASE NONE Test l closed at (bour, date): 2:00 PM 1-4-90 Total Time On 3 ¹² HOURS 3 ¹² HOURS il Production uring Test: 0.5 bbls; Grav. 69.7 During Test 117 MCF; GOR 58,500	Compl. Jule MONTOYA	GAS	FLOW	TBG	16/64
Well opened at (hour, date): 10:30 AM 1-4-90 Upper Completion Lower Completion Well opened at (hour, date): 10:30 AM 1-4-90 X Completion Completion Indicate by (X) the zone producing X 1340 525 Pressure at beginning of test 1340 525 tabilized? (Yes or No) YES YES faximum pressure during test 1340 525 finimum pressure during test 875 525 ressure at conclusion of test 875 525 ressure change during test (Maximum minus Minimum) 465 NONE , Fas pressure change an increase or a decrease? DECREASE NONE Fell closed at (hour, date): 2:00 PM 1-4-90 Total Time On Production 342 HOURS Fill Production 0.5 bbls; Grav. 69.7 During Test 117 MCF; GOR 58,500	•	FLOW TEST NO	. 1	<u>, , _ , , _ , _ , _ , , , , ,</u>	****
Well opened at (hour, date): 10:30 AM 1-4-90 Completion Completion Indicate by (X) the zone producing X 1340 525 Pressure at beginning of test 1340 525 itabilized? (Yes or No) YES YES faximum pressure during test 1340 525 finimum pressure during test 875 525 fressure at conclusion of test 875 525 tressure change during test (Maximum minus Minimum) 465 NONE Vas pressure change an increase or a decrease? DECREASE NONE Fell closed at (hour, date): 2:00 PM 1-4-90 Total Time On 3 ¹ / ₂ HOURS Foll Production 0.5 bbls; Grav. 69.7 ; During Test 117 MCF; GOR 58,500	Both zones shut-in at (hour, date):8:00 AM	1-3-90			
Indicate by (X) the 20th producting 1340 525 Pressure at beginning of test 1340 525 Stabilized? (Yes or No) YES YES Maximum pressure during test 1340 525 Maximum pressure during test 875 525 Pressure at conclusion of test 875 525 Pressure change during test (Maximum minus Minimum) 465 NONE Fas pressure change an increase or a decrease? DECREASE NONE Foll closed at (hour, date): 2:00 PM 1-4-90 Total Time On Production Stat HOURS 3ta HOURS Foll Production 0.5 bbls; Grav. 69.7 ; During Test 117 MCF; GOR 58,500	Well opened at (hour, date): 10:30 AM	1-4-90	Co	Upper mpletion	Lower Completion
Itabilized? (Yes or No) YES YES Itabilized? (Yes or No) 1340 525 Itaximum pressure during test 1340 525 Inimum pressure during test 875 525 Inimum pressure during test 875 525 Inimum pressure during test 875 525 Inimum pressure at conclusion of test 875 525 Interessure change during test (Maximum minus Minimum) 465 NONE , Verse pressure change an increase or a decrease? DECREASE NONE Fell closed at (hour, date): 2:00 PM 1-4-90 Total Time On Production 3 ¹ / ₂ HOURS Fell closed at (hour, date): 2:00 PM 1-4-90 Forduction 3 ¹ / ₂ HOURS Field closed at (hour, date): 0.5 bbls; Grav. 69.7 ; During Test 117 MCF; GOR 58,500	ndicate by (X) the zone producing		· · · · · · · · · · · · · · ·	X	
Introductor (12) of No) 1340 525 Introductor (12) of No) 1340 525 Introduction (12) of No) 875 525 Inimum pressure during test 875 525 Inimum pressure change during test (Maximum minus Minimum) 465 NONE , Inimum pressure change an increase or a decrease? DECREASE NONE Fell closed at (hour, date): 2:00 PM 1-4-90 Total Time On Production (117) 312 HOURS Foll Production (117) Dil Production (117) MCF; GOR (58,500) 58,500	Pressure at beginning of test		1	340	525
Additional pressure during test 875 525 Attribution pressure during test 875 525 Attribution pressure during test 875 525 Attribution of test 465 NONE Attribution of test 465 NONE Attribution of test 100 PM 1-4-90 Attribution of test: 2:00 PM 1-4-90 Attribution of test: 0.5 bbls; Grav. 69.7	tabilized? (Yes or No)		Y	ES	YES
Infinitial pressure during test 875 525 ressure at conclusion of test 875 525 ressure change during test (Maximum minus Minimum) 465 NONE , Fas pressure change an increase of a decrease? DECREASE NONE Foll closed at (hour, date): 2:00 PM 1-4-90 Total Time On Production 312 HOURS Foll Production 0.5 bbls; Grav. 69.7 ; During Test 117 MCF; GOR 58,500	faximum pressure during test		1	340	525
ressure change during test (Maximum minus Minimum) 465 NONE	finimum pressure during test		8	75	525
Decrease of a decrease? Decrease NONE Cell closed at (hour, date): 2:00 PM 1-4-90 Total Time On Production 3 ¹ / ₂ HOURS Dil Production 0.5 bbls; Grav. 69.7 ; During Test 117 MCF; GOR 58,500	ressure at conclusion of test			75	525
Fell closed at (hour, date): 2:00 PM 1-4-90 Total Time On Production 3½ HOURS Foll Production Gas Production 117 MCF; GOR 58,500 Fouring Test: 0.5 bbls; Grav. 69.7 ; During Test 117 MCF; GOR 58,500	ressure change during test (Maximum minus Minim	um)	4	65	NONE ,-
Cell closed at (hour, date):2:00 PM1-4-90Total Time On Production3½ HOURSDil Production During Test:0.5bbls; Grav.69.7;; During Test117MCF; GOR58,500	Vas pressure change an increase or a decrease?		DEC	REASE	NONE
Dil Production Gas Production 117 MCF; GOR 58,500 During Test: 0.5 bbls; Grav. 69.7 ; During Test 117 MCF; GOR 58,500		Total Ti	me On 21, UOU	RS	
	il Production	Gar Pro	duction Test <u>117</u>	MCF; GO	R58,500
	cmarks:				
			-		

(Continue on reverse side)

Page 1

FLOW TEST NO. 2

Well opened at (hour, date):1:00 PM 1-5-90	Upper Completion	Lower Completion
Indicate by (X) the zone producing	<u></u>	X
Pressure at beginning of test	1440	530
Stabilized? (Yes or No)	YES	YES
Maximum pressure during test	1440	530
Minimum pressure during test	1440	310
Pressure 2t conclusion of test	1440	310
Pressure change during test (Maximum minus Minimum)	NONE	220
Was pressure change an increase or a decrease?	NONE	DECREASE
Total Time On	OURS	
Oil Production Gas Production During Test:0 bbls; Grav69.9 ; During Test80	MCF; GOR	NONE
Remarks:		

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved	Operator MARSHALL PIPE & SUPPLY
New Mexico Oil Conservation Division	By And Uly
· 🛥	
By	TideENGINEER
Tide DISTRICT I SUPERVISOR	Date JANUARY 8,1990

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packet leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracrure treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any tune that communication is suspected or when requested by the Division.

2. At least 72 bours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact tune the test is to be commenced. Offset operators shall also be so notified.

3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized and for a minimum of two hours thereafter, provided however, that they need not remain shut-in more than 24 hours.

4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shur-in. Such test shall be continued until the flowing wellhead pressure has become stabilized and for a minimum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.

5

5. Following completion of How Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall temain shut-in while the previously shut-in zone is produced.

7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked with deadweight tester at least twice, once at the beginning and once at the end, of each flow test.

8. The results of the above-described tesu shall be filed in triplicate within 15 days after completion of the test. Tesus shall be filed with the appropriate District Office of the New Mexico Oil Conservation Division on Southeast New Mexico Packer Leakage Test Form Revised 11-01-58, together with the original pressure recording overphases with all the deadweight pressures which were taken indicated thereon. In lied of filling the forestaid charts, the operator may construct a pressure versus time curve for each tone of each test, indicating thereon all pressure readings which were taken. If the Adduste the gauge charts as well as all deadweight pressure readings which were taken. If the Adduste for a pressure in the original chart must be permanently filed in the operator's office. Name is also accompany the Packer Leakage Test Form when the test period coincides with a gas-oil ratio test period.

HOBBS OFFICE

Page 2